What is claimed is:

Sub A1

1. A resistor comprising;

a substrate;

a pair of electrodes disposed on said substrate; and

a resistor element disposed between said electrode, said resistor element comprising rectangular sections connected to said pair of electrodes, and a S-shaped section disposed between said rectangular sections, said S-shaped section being free of trimmed portion.

2. The resistor of claim 1, wherein a width of at least one of said rectangular sections of said resister is wider than a width of said S-shaped section.

3. The resistor of claim 1, wherein at least one of said rectangular sections has a trimmed porton.

4. The resistor of claim 1, wherein thickness of said rectangular sections of said resistor element are twice as thick as said S-shaped section.

5. The resistor of claim 3, wherein a width of said rectangular section of said resistor element where the rectangular section extends to said S-shape section is wider than a width of said S-shaped section.

6. A method of manufacturing a resistor comprising the steps of;

forming a pair of electrodes on a substrate; and

forming a resistor element between said pair of electrodes, said resistor element comprising rectangular sections connected to said electrodes and a S-shaped section disposed between said rectangular sections, said S-shaped section being free of trimming portion.

7. The method of manufacturing resistor of claim 6, wherein said resistor element is formed by printing.

8. The method of manufacturing resistor of claim 6, wherein portion of said rectangular sections is trimmed to adjust a resistance.